

Fractions on the Number Line

Grade 4 • MATH • Finding equivalent fractions and comparing fractions on number lines • Standards: 4.NF.A.1, 4.NF.A.2

For each problem, imagine where the fractions would be on a number line from 0 to 1. Then write whether the first fraction is equal to, greater than, or less than the second fraction using the symbols =, >, or <.

1. Compare $\frac{1}{2}$ and $\frac{2}{4}$
2. Compare $\frac{1}{4}$ and $\frac{3}{4}$
3. Compare $\frac{3}{3}$ and $\frac{4}{4}$
4. Compare $\frac{2}{5}$ and $\frac{4}{5}$
5. Compare $\frac{3}{6}$ and $\frac{1}{2}$
6. Compare $\frac{5}{8}$ and $\frac{3}{8}$
7. Compare $\frac{2}{3}$ and $\frac{4}{6}$
8. Compare $\frac{1}{3}$ and $\frac{2}{6}$
9. Compare $\frac{3}{5}$ and $\frac{2}{3}$
10. Compare $\frac{5}{6}$ and $\frac{7}{8}$
11. Compare $\frac{4}{10}$ and $\frac{2}{5}$
12. Compare $\frac{3}{4}$ and $\frac{5}{6}$

Answer Key — Fractions on the Number Line

For the teacher / parent. Do not distribute with the worksheet.

1. $1/2 = 2/4$ ($2/4$ simplifies to $1/2$, so they are at the same point on the number line)
2. $1/4 < 3/4$ ($1/4$ is closer to 0 and $3/4$ is closer to 1 on the number line)
3. $3/3 = 4/4$ (Both fractions equal 1 whole, so they are at the same point)
4. $2/5 < 4/5$ ($4/5$ is farther to the right on the number line than $2/5$)
5. $3/6 = 1/2$ ($3/6$ simplifies to $1/2$, so they are at the same location)
6. $5/8 > 3/8$ ($5/8$ is farther to the right on the number line than $3/8$)
7. $2/3 = 4/6$ ($4/6$ simplifies to $2/3$, so they are equivalent fractions)
8. $1/3 = 2/6$ ($2/6$ simplifies to $1/3$, so they mark the same point)
9. $3/5 < 2/3$ ($3/5 = 9/15$ and $2/3 = 10/15$, so $2/3$ is greater)
10. $5/6 < 7/8$ ($5/6 = 20/24$ and $7/8 = 21/24$, so $7/8$ is greater)
11. $4/10 = 2/5$ ($4/10$ simplifies to $2/5$, so they are equivalent)
12. $3/4 < 5/6$ ($3/4 = 9/12$ and $5/6 = 10/12$, so $5/6$ is greater)